

Message Text

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PAGE 01 PARIS 21498 252228Z
ACTION EB-08

INFO OCT-01 EUR-12 ISO-00 DODE-00 NSAE-00 USIA-06
TRSE-00 ERDA-05 CIAE-00 COME-00 /032 W
-----072460 252231Z /72
R 251620Z JUL 77
FM AMEMBASSY PARIS
TO SECSTATE WASHDC 0000

C O N F I D E N T I A L PARIS 21498

USOECD

EXCON

E.O. 11652: XGDS 1
TAGS: ESTC, COCOM, CH, FR
SUBJ: FRENCH 1974 EXPORT OF HYDROPHONES TO PRC - IL 1510

REF: A) STATE A-679, B) STATE 113662

FRENCH DEL RESPONDED IN WRITING JULY 25 TO US INQUIRY
MADE PURSUANT REFAIR AS FOLLOWS: (UNOFFICIAL TRANSLA-
TION):

I HAVE THE PLEASURE TO INFORM YOU THAT THE SHIP "LADY
ISABELLE" WAS IN FACT EQUIPPED WITH AMG 45-51 CABLE
WHICH HAS CHARACTERISTICS DISSIMILAR FROM THOSE DES-
CRIBED IN YOUR LETTER. IN PARTICULAR THIS CABLE CANNOT
BE COMPARED TO A TRANSDUCER PANEL (PANNEAU DE TRANSDUC-
TION) HAVING ITS OWN DIRECTIVITY, RESULTING FROM A
PRECISE SETTING OF THE PHASES BETWEEN EACH HYDROPHONE.

THE LARGE NUMBER OF HYDROPHONES CONTAINED IN THIS CABLE
ARE ONLY FOR OBTAINING A SUFFICIENT SIGNAL LEVEL. IN
ADDITION, THESE HYDROPHONES DO NOT DIRECTLY RECEIVE THE
PRESSURE TO BE MEASURED. THE MOVEMENT (DEFORMATION)
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OF THE CABLE IS PRODUCED BY THE PRESSURE WAVE AFFECTING
THE LIQUID WHICH SERVES AS THE CONNECTION BETWEEN THE
CABLE AND THE HYDROPHONE. THIS RESULTS IN A MASK
EFFECT (EFFET DE MASQUE) WHICH IS NOT ACCUEPTABLE IN
LOCATION AND DETECTION TECHNIQUES. I ALSO NOTE THAT THE
BANDWITH OF THE HYDROPHONES MOUNTED IN THE CABLE AMG
45-51 IS LOW (SOME HUNDRED HERTZ).

THIS SYSTEM THEREFORE REMAINS OMNIDIRECTIONAL AND IS NOT
IN THIS REGARD EMBARGOED--AS THE FRENCH DELEGATION
UNDERScoreD IN ITS STATEMENT RECORDED IN COCOM DOC (73)
73 PARA 4 OF FEB 18, 1973.

UNDER THESE CIRCUMSTANCES THE FRENCH DELEGATION
BELIEVES THAT NO REQUEST FOR AN EXCEPTION FROM THE
EMBARGO WAS REQUIRED FOR THE AMG 45-51 CABLE, IN THAT
IT COULD NOT HAVE, BECAUSE OF ITS TECH ICAL CHARACTERIS-
TICS, THE LOCATION AND DETECTION CAPABILITY WHICH YOU
CITE IN YOUR LETTER.

THE FRENCH DELEGATION WOULD FOR ITS PART APPRECIAT
YOUR DELEGATION INDICATING WHY THE AMERICAN AUTHORITIES
BELIEVE THAT THE HYDROPHONES IN QUESTION OPERATE IN
"ARRAY POSITION".
SALZMAN

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Message Attributes

Automatic Decaptioning: X
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Sent Date: 25-Jul-1977 12:00:00 am
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Disposition Approved on Date:
Disposition Case Number: n/a
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Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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